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Winsome A. St. Rose

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:	)
Christian Birkner, et al.	) EXAMINER: N/A
INTERNATIONAL SERIAL No.: 10/573,215	) ART UNIT: N/A
INTERNATIONAL FILING DATE: DECEMBER 1, 2004	) Confirmation No. N/A
FOR: <u>IMPROVED METHOD FOR BISULFITE TREATMENT</u>	) Attorney Docket: 22307-US

INFORMATION DISCLOSURE STATEMENT

Mail Stop Disclosure.  
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Sir:

Applicant submits herewith a Form-1449, in compliance with the duty of disclosure requirements of 37 C.F.R. §1.56, 1.97 and 1.98, listing accompanying documents that may be considered material to the examination of this application. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits, whichever event occurs last. No certification or fee is therefore required under 37 C.F.R. § 1.97(b). However, should the Commissioner determine that fees are due in order for the Information Disclosure Statement to be considered at this stage, the Commissioner is hereby authorized to charge any fee deficiency, or credit any overpayment, to Deposit Account No. 50-0812.


This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination

of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

Consideration of the cited documents and making the same of record in the prosecution of the above-identified application is respectfully requested.

Respectfully submitted,

Date: 6/8/06

  
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U.S. Department of Commerce Patent and Trademark Office

Atty. Docket No. 22307-US

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**LIST OF INFORMATION CITED BY APPLICANT**  
(Use several sheets if necessary)

Applicants: **Birkner, et al.**

Filing Date: **01 December 2004**  
(International Filing Date)

Group: Unassigned

**U.S. PATENT DOCUMENTS**

* EXAMINER INITIAL		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3	4,683,202	07/28/87	Mullis, et al.	435	91	10/25/85
	2	5,130,238	07/14/92	Malek, et al.	435	91	08/23/89
	3	5,137,806	08/11/92	LeMaistre, et al	435	6	12/11/89
	4	5,210,015	05/11/93	Gelfand, et al	435	6	08/06/90
	5	5,234,809	08/10/93	Boom, et al	435	91	07/01/91
	6	5,487,972	01/30/96	Gelfand, et al	435	6	01/05/93
	7	5,552,277	09/03/96	Nelson, et al	435	6	07/19/94
	8	5,595,890	01/21/97	Newton, et al	435	91.2	02/17/95
	9	5,639,611	06/17/97	Wallace, et al	435	6	11/09/94
	10	5,786,146	07/28/98	Herman, et al	435	6	01/03/96
	11	5,804,375	09/08/98	Gelfand, et al	435	6	04/25/95
	12	6,174,670 B1	01/16/01	Wittwer, et al	435	6	06/04/97
	13	6,331,393 B1	12/18/01	Laird, et al	435	6	05/14/99

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	14	PCT/EP2004/013627	03/02/05	PCT Search Report			
	15	DE 10050942 A1	4/18/02	DE			
	16	DE 374 442 A1	02/02/89	DE			
	17	0 200 362 B1	12/10/86	EP			
	18	0 201 184 A2	12/17/86	EP			
	19	0 389 063 A2	09/26/90	EP			
	20	0 439 182 A2	07/31/91	EP			
	21	1 394 172 A1	03/03/04	EP			
	22	1 443 052 A1	08/04/04	EP			
	23	WO 90/01069	02/08/90	PCT			
	24	WO 90/06045	06/14/90	PCT			



	50	Kwoh, D., et al., 1989, "Transcription-based amplification system and detection of amplified human immunodeficiency virus type 1 with a bead-based sandwich hybridization format", <i>Proc. Natl. Acad. Sci. USA</i> , <b>86</b> :1173-1177
	51	Marko, M., et al., 1982, "A Procedure for the Large-Scale Isolation of Highly Purified Plasmid DNA Using Alkaline Extraction and Binding to Glass Powder", <i>Analytical Biochemistry</i> , <b>121</b> :382-387
	52	Morrow, C., et al., 1989, "Structure of Human Genomic Glutathione S-transferase- <i>A</i> gene", <i>Gene</i> , <b>75</b> :3-11
	53	Oakeley, E., 1999, "DNA methylation analysis: a review of current methodologies", <i>Pharmacology &amp; Therapeutics</i> , <b>84</b> :389-400
	54	Olek, A., et al., 1996, "A modified and improved method for bisulphate based cytosine methylation analysis", <i>Nucleic Acids Research</i> , <b>24</b> (24):5064-5066
	55	Paulin, R., et al., 1998, "Urea improves efficiency of bisulphate-mediated sequencing of 5'-methylcytosine in genomic DNA", <i>Nucleic Acids Research</i> , <b>26</b> (21):5009-5010.
	56	Raizis, A., et al., 1995, "A Bisulfite method of 5-Methylcytosine Mapping That Minimizes Template Degradation", <i>Analytical Biochemistry</i> , <b>226</b> :161-166
	57	Vogelstein, B., et al., 1978, "Preparative and analytical purification of DNA from agarose", <i>Proc. Natl. Acad. Sci. USA</i> , <b>76</b> (2):615-619
	58	Warnecke, P., et al., 2002, "Identification and resolution of artifacts in bisulfite sequencing", <i>Methods</i> , <b>27</b> :101-107
	59	Whelen, A., et al., 1996, "The Role of Nucleic Acid Amplification and Detection in the Clinical Microbiology Laboratory", <i>Annu. Rev. Microbiol.</i> , <b>50</b> :349-379
	60	Wu, D., et al., 1989, "The Ligation Amplification Reaction (LAR) - Amplification of Specific DNA Sequences Using Sequential Rounds of Template-Dependent Ligation
EXAMINER6		DATE CONSIDERED
*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		